

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P412727

Luminaire Tested: **22PD-35-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-35-PP3-L930
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

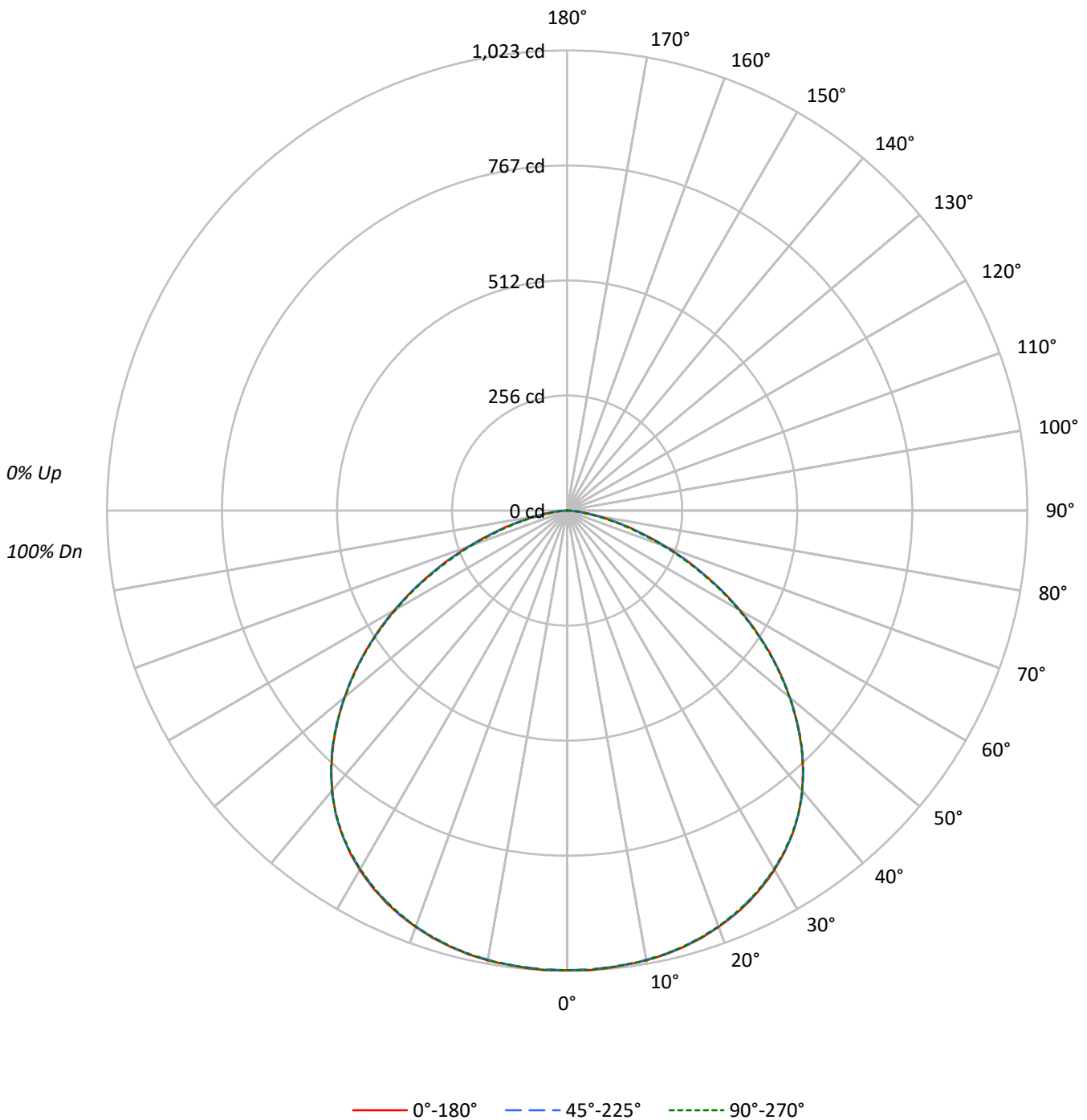
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2931.0 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2749	2749	2749
5°	2758	2754	2756
10°	2775	2771	2773
15°	2796	2794	2794
20°	2821	2818	2817
25°	2846	2841	2841
30°	2866	2861	2860
35°	2874	2874	2871
40°	2855	2861	2855
45°	2799	2807	2802
50°	2704	2709	2702
55°	2575	2569	2563
60°	2390	2385	2366
65°	2135	2133	2109
70°	1825	1814	1774
75°	1454	1412	1369
80°	1037	1015	962
85°	673	673	651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	3.3
10°-20°	283.4	9.7
20°-30°	441.3	15.1
30°-40°	546.1	18.6
40°-50°	566.3	19.3
50°-60°	488.1	16.7
60°-70°	331.9	11.3
70°-80°	148.5	5.1
80°-90°	28.3	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	821.8	28.0
0°-40°	1367.9	46.7
0°-60°	2422.4	82.6
0°-90°	2931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1021	1019	1020	1019	1020	97
15°	1004	1002	1003	1002	1003	284
25°	958	957	957	956	957	442
35°	875	874	875	874	874	546
45°	735	735	738	736	736	566
55°	549	547	548	546	546	489
65°	335	338	335	334	331	333
75°	140	140	136	135	132	150
85°	22	22	22	21	21	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1021.6	1021.6	1021.6	1021.6	1021.6
2.5°	1022.9	1020.9	1020.9	1021.2	1022.3
5°	1020.9	1018.9	1019.5	1019.2	1020.2
7.5°	1018.2	1016.5	1017.5	1016.8	1017.5
10°	1015.4	1013.7	1014.1	1013.7	1014.8
12.5°	1010.7	1008.6	1009.3	1009.3	1009.6
15°	1003.8	1002.1	1002.8	1002.1	1002.8
17.5°	995.7	993.6	994.0	993.6	994.3
20°	985.1	983.7	984.1	983.4	983.7
22.5°	973.1	971.4	971.8	971.1	971.1
25°	958.5	957.1	956.8	956.4	956.8
27.5°	941.4	939.7	939.7	939.4	939.4
30°	922.3	920.6	920.6	920.3	920.3
32.5°	899.8	899.1	899.5	898.8	898.4
35°	874.9	873.9	874.9	873.5	873.9
37.5°	845.9	844.6	846.6	845.2	845.6
40°	812.8	812.2	814.5	813.5	812.8
42.5°	776.0	776.0	777.0	777.4	776.7
45°	735.4	734.7	737.5	735.7	736.4
47.5°	691.7	690.7	692.8	692.4	692.1
50°	646.0	645.4	647.1	645.4	645.4
52.5°	598.6	598.3	598.6	596.9	596.6
55°	548.8	546.8	547.5	546.4	546.4
57.5°	497.0	494.6	494.9	494.6	494.9
60°	444.1	443.4	443.1	441.4	439.7
62.5°	389.9	390.6	390.2	387.8	386.1
65°	335.3	338.0	335.0	333.9	331.2
67.5°	283.8	284.8	282.8	280.4	277.3
70°	231.9	234.0	230.6	228.2	225.5
72.5°	182.5	183.9	180.8	179.4	176.0
75°	139.8	140.2	135.8	135.1	131.7
77.5°	99.6	101.0	97.6	97.6	94.1
80°	66.9	69.2	65.5	64.5	62.1
82.5°	42.0	42.3	41.3	40.2	39.2
85°	21.8	22.5	21.8	21.1	21.1
87.5°	8.2	8.5	8.2	7.8	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)